Cummins Power Generation

Residential and Light Commercial
Features Overview

ARROW FEATURES CARD	**JOB NO.** CRC140022 **DATE** 4.2.14		INITIALS DATE
	JOB NAME RLC Arrow Features Update	**CD**	Brien S.
	CLIENT CUMMINS	**AD/Designer**	Benson H.
	FILE NAME CRC140022_RLC_ArrowFeaturesCard_Feb14	**Writer**	Don F.
ROUND 2	**LIVE** N/A	**Layout Designer**	
STAGE: CLIENT REVIEW	**FLAT/TRIM** 11" x 8/5" **FOLDED** N/A	**Account Mgr.**	Christie G.
	BLEED .125" **SCALE** 100%	**Project Mgr.**	Tonya H.
PERISCOPE®	**COLOR** CMYK C M Y K	**Print Prod.**	

CONNECT SERIES GAS GENERATOR SETS – 60 Hz

Model	RS22	RS25	RS30	RS36	RS40	RX30	RX36	RX40	RX45	RX50	RX60
	C22 N6	C25 N6	C30 N6	C36 N6	C40 N6	C30 N6H	C36 N6H	C40 N6H	C45 N6H	C50 N6H	C60 N6H
Rated Power	22 kW	25 kW	30 kW	36 kW	40 kW	30 kW	36 kW	40 kW	45 kW	50 kW	60 kW
Enclosure	Aluminum, Sound Level 1 Sound Attenuation w/Exhaust System										
Control	PowerCommand® 1.1										
Circuit Breaker Amps: 1 phase	100	125	150	175	200	150	175	200	200	200	250
Circuit Breaker Amps: 3 phase (480 V/240 V/208 V)	80/90	90/100	100/125	60/125/150	80/150/175	100/125	60/125/150	80/150/175	80/150/200	90/175/200	100/200/250
Circuit Breaker Mounting	1 Breaker										
Circuit Breaker Location Viewed From Alternator End	Right										
Engine	Cummins QSJ2.4										
Fuel Consumption at 1/2 Load: NG (cfh)	173	185.7	219	292.3	304.7	309.5	353.9	373.9	404.7	404.7	485.7
Fuel Consumption at 1/2 Load: LP (gal/hr)	2	2.1	2.7	3.2	3.4	3.5	4	4.2	46	4.6	5.4
Sound Output Average at 23 ft (7 m) at No Load	64	64	60	63	63	72	72	71	67	67	69
Approximate Weight (lbs)	1147	1147	1231	1294	1356	1103	1203	1249	1399	1399	1429
Dimension (LxWxH in inches)	72x34x45.5	72x34x45.5	94x34x45.5	94x34x45.5	94x34x45.5	72x34x45.5	94x34x45.5	94x34x45.6	94x34x45.7	94x34x45.8	94x34x45.9
Coolant Heater	Standard										
Duty Rating	Standby Power										
Fuel System	Single Fuel, Natural Gas/Liquid Propane Vapor, Field Selectable										
Voltage	Multiple Voltages Available by Model										
Battery Charging Alternator	Normal Output										
Engine Governor	Electronic Isochronous										
Engine Starter	12 VDC Motor										
Alternator Exciter	Torque Match										
Alternator	60 Hz, 4 Leads 1-Phase or 12 Leads 3-Phase										
Engine Air Cleaner	Normal Duty										
Cooling	High Ambient Air Temperature 50°C										
Wind Rating	180 MPH in accordance to ASCE7-10, Aluminum Housing										
Skidbase	Housing Ready										
Warranty	2-Year EPA Stationary Emergency										
Listing	UL 2200										
Emissions Certification	EPA Emissions, Emergency, Stationary, 40CFR60										
Seismic Certification	International Building Code (IBC) 2012										
Paint	Sandstone, Powder Coat										
Packing	Shipping Crate, Poly Bag										
Control Display Language	English										
Literature	English										
Battery Rack	Included as Standard										
Oil Drain Extension											
Low Coolant Level Shutdown											

GAS GENERATOR SETS – 60 Hz

Model	GGPC	GGHE	GGHF	GGHG	GGHH	GGHJ
Rated Power	45 kW Natural Gas 50 kW Propane	60 kW	70 kW Natural Gas 75 kW Propane	85 kW	100 kW	125 kW
Enclosure	Sound Level 2 Sound Attention w/Exhaust System					
	Steel or Aluminum	Steel	Steel or Aluminum			
Control	PCC2100					
Circuit Breaker (1 Ph 240 V / 3 PH 208 V)	200 / 200 Amp	300 / 300 Amp	350 / 300 Amp	400 / 400 Amp	500 / 450 Amp	600 / 600 Amp
Circuit Breaker Mounting	1 Breaker					
Circuit Breaker Location Viewed From Alternator End	Left					
Engine	Naturally Aspirated GM 5.0 L V-8 1800 rpm	Naturally Aspirated Ford 6.8 L V10 1800 rpm		Turbocharged Ford 6.8 L V10 1800 rpm		
Fuel Consumption at 1/2 Load: NG (cfh)	393	534	586	703	780	866
Fuel Consumption at 1/2 Load: LP (gal/hr)	4.4	5.7	6.6	7.4	8.1	10
Sound Output Average at 23 ft (7 m) at Full Load	65 / 67 dB(A)	68 dB(A)	69 / 71 dB(A)	70 / 72 dB(A)	71 / 73 dB(A)	75 dB(A)
Approximate Weight (lbs)	2,891 / 2,634	2,991	3,108 / 2,851	3,240 / 2,295	3,288 / 2,973	3,409 / 3,175
Dimension (LxWxH in inches)	101.5 x 41.3 x 71.8			142 x 60 x 70		
Block Heater	120 Volt AC, Single Phase					
Duty Rating	Standby Power					
Fuel System	Natural Gas/Liquid Propane Vapor, Auto Changeover					
Voltage	120 / 240 V, 1 Phase or 120 / 208 V, 3 Phase					
Battery Charging Alternator	Normal Output					
Engine Governor	Electronic Isochronous					
Engine Starter	12 VDC Motor					
Alternator Exciter/Regulator	Torque Match					
Alternator	60 Hz 12 Leads, Upper Broad Range or Full 1-Phase Output, 125°C Temperature Rise					
Engine Air Cleaner	Heavy Duty					
Cooling	High Ambient Air Temperature					
Wind Rating	150 MPH, Aluminum Housing					
Coolant Heater	120 VAC, 1-Phase					
Skidbase	Housing Ready					
Warranty	2-Year Standby					
Listing	UL 2200					
Emissions Certification	EPA, 40CFR60, Spark Ignited Emergency Stationary					
Seismic Certification	International Building Code (IBC) 2000, 2003, 2006, Ss-3.42, Installation From Grade Level Through Rooftop					
	California Office of Statewide Health Planning and Development (OSHPD), Sds=2.28g					
Paint	Flat Sandstone Outside					
Packing	Skid, Poly Bag					
Control Display Language	English					
Literature						
Battery Rack	Included as Standard					
Oil Drain Extension						
Low Coolant Level Shutdown						

DIESEL GENERATOR SETS – 60 Hz

Model	DSKBA	DSFAA	DSFAD	DSFAE	DSGAA
Rated Power	20 kW	35 kW	60 kW	80 kW	100 kW
Circuit Breaker	100 Amp	175 Amp	300 Amp	400 Amp	500 Amp
Circuit Breaker Mounting	1 Breaker				
Circuit Breaker Location Viewed From Alternator End	Right	Left			
Engine	Kubota 2.2L	Cummins QSB5			Cummins QSB7
Sound Output Average at 23 ft (7 m) at Full Load (Open/Enclosed)	73.25 dB(A) / 67.0 dB(A)	87.6 dB(A) / 69.5 dB(A)	87.4 dB(A) / 70.7 dB(A)	87.7 dB(A) / 71.1 dB(A)	86.3 dB(A) / 71.9 dB(A)
Fuel Consumption at 1/2 Load & Full Load (gal/hr)	0.97 / 1.93	2.1 / 3.8	3 / 5.7	3.8 / 6.9	5 / 8.9
Approximate Weight lbs (Open w/o Fuel Tank/ Enclosed w/Fuel Tank)	1,252 / 2,260	2,380 / 3,973	2,520 / 4,113	2,690 / 4,283	2,784 / 5,738
Dimensions (LxWxH in inches) (w/o Tank)	66.9 x 31 x 36.5	82.8 x 40 x 49.4			104.6 x 43.3 x 61
Dimensions (LxWxH in inches) (w/Tank)	101.8 x 31 x 74	101.5 x 41.3 x 91.8			145 x 43.3 x 96.7
Control	Power Command 1.1	PCC2100			Power Command 1.1
Voltage	120/240, 1-Phase, 3-Wire				
Duty Rating	Standby Power				
Battery Charging Alternator	Normal Output				
Engine Governor	Electronic, Isochronous				
Engine Starter	12 VDC Motor				
Alternator Exciter/Regulator	Torque Match				
Alternator	60 Hz, 12 Leads, Broad Range, Full 1 Phase Output, 125°C Temperature Rise				
Engine Air Cleaner	Heavy Duty				
Cooling	High Ambient Air Temperature				
Control Display Language	English				
Skidbase	Housing Ready				
Coolant Heater	120 VAC, 1-Phase				
Listing	UL 2200				
	ULC-S601-07				
Emissions Certification	EPA, Tier 4, Stationary Emergency				
Seismic Certification	International Building Code (IBC) 2000, 2003, 2006, Ss=3.42, Installation From Grade Level Through Rooftop				
	California Office of Statewide Health Planning and Development (OSHPD), Sds=2.28g				
Warranty	2-Year Standby				
Packing	Skid, Poly Bag				
Extension	Coolant Drain				
Wind Rating	150 MPH, Steel Housing				
Switch	Low Fuel Level, Sub-Base Tank				
	Fuel in Rupture Basin				
Block Heater	120 Volt AC, Single Phase				
Low Coolant Level Shutdown	Included as Standard				
Battery Rack					
Oil Drain Extension					
Enclosure*	Steel, Sound Attenuated Level 2 With Exhaust System				
Fuel Tank**	Double Wall Sub-Base, Minimum 24 Hour Run Time				

*Also available in Open Set configuration with exhaust muffler mounted
**Applies to models with enclosures and Open Set available without fuel tank

RA TRANSFER SWITCHES – 100A TO 200A

Model	RA100	RA200	RA100 Service Entrance	RA200 Service Entrance
Amperage	100 A	200 A	100 A	200 A
System	1-Phase			
Certification	UL 1008 Listed			
Number of Poles	2			
Neutral Bar	Full current rated neutral bar is standard on 2-pole transfer switches			
Auxiliary Contacts	Two UL-rated at 16 A 125 VAC (one for each source) are provided for customer use. Wired to terminal block for easy access.			
Storage Temperature	-25°C (-13°F) to 55°C (131°F)			
Humidity	Up to 90% @ 20°C			
Altitude	Up to 2,000 m (6,561 ft) without derating			
Total Transfer Time (source to source)	Will not exceed 100 msecs with nominal voltage applied to actuator			
Manual Operation Handles	Transfer switches are equipped with a removable operating handle, which allows operation during servicing in order to facilitate troubleshooting with sources of power disconnected.			
Genset Starting Battery	N/A			
Voltage	240 V			
Enclosure	Type 3R			
Frequency	60Hz			
Warranty	2-year Parts, Labor And Travel			
Battery Charger	None			
External Exerciser Clock	None			

TRANSFER SWITCHES (Service Entrance) – 100A TO 400A

Model	RSS 100 Service Entrance	RSS 200 Service Entrance	OTEC225 Service Entrance	OTEC 400 Service Entrance
Amperage	100 A	200 A	225 A	400 A
System	1-Phase		1 Phase, 2-Wire or 3-Wire	
Certification	UL 1008 Listed		UL 1008 Listed, CSA Certified	
Number of Poles	2		3	
Neutral Bar	Full current rated neutral bar is standard on 2-pole transfer switches		Full current rated neutral bar with lugs is standard on enclosed 3-pole transfer switches	
Auxiliary Contacts	Two rated at 5 A continuous at 100 VAC or 2.5 A continuous at 200 VAC (one for each source) are provided for customer use. Wired to terminal block for easy access.		Two (one for each source) are provided for customer use. Wired to terminal block for easy access. Rated at 10 A continuous and 250 VAC maximum.	
Storage Temperature	-25°C (-13°F) to 55°C (131°F)		-40°C (-40°F) to 60°C (140°F)	
Humidity	Up to 90% @ 20°C		Up to 95% relative, non-condensing	
Altitude	Up to 2,000 m (6,561 ft) without derating		Up to 3,000 m (10,000 ft) without derating	
Total Transfer Time (source to source)	Will not exceed 100 msecs with nominal voltage applied to actuator		Will not exceed 6 cycles at 60 Hz with nominal voltage applied to the actuator and without delayed transition enabled	
Manual Operation Handles	Transfer switches are equipped with a removable operating handle, which allows operation during servicing in order to facilitate troubleshooting with sources of power disconnected.		Transfer switches are equipped with permanently attached operating handles and quick-break, quick-make contact mechanisms suitable for manual operation under de-energized conditions.	
Genset Starting Battery	N/A		12 VDC	
External Exerciser Clock	N/A		Optional	
Warranty	2-year Parts, Labor And Travel		1-year Parts, Labor And Travel	
Voltage	240 V			
Enclosure	Nema Type 3R			
Frequency	60Hz			
Battery Charger	2A, 12/24 V DC			
Service Entrance Model	Included as Standard			

TRANSFER SWITCHES (Non-Service Entrance) – 100A TO 600A

Model	RSS100	RSS200	OTEC125		OTEC225		OTEC 400				OTEC 600			
Amperage	100 A	200 A	125 A		225 A		400 A				600 A			
Voltage	240 V	240 V	208 V	480 V	208 V	480 V	208 V	240 V	480 V	240 V	208 V	240 V	480 V	240 V
System	1-Phase		3-Phase, 3-Wire or 4-Wire		3-Phase, 3-Wire or 4-Wire		3-Phase, 3-Wire or 4-Wire			1-Phase, 2-Wire or 3-Wire	3-Phase, 3-Wire or 4-Wire			1-Phase, 2-Wire or 3-Wire
Enclosure (Nema Type)	3R		3R*		3R*		3R*				3R*	3R	3R*	3R
Number of Poles	2		3											
Neutral Bar	Full current rated neutral bar is standard on 2-pole transfer switches		Full current rated neutral bar with lugs is standard on enclosed 3-pole transfer switches											
Auxiliary Contacts	Two rated at 5 A continuous at 100 VAC or 2.5 A continuous at 200 VAC (one for each source) are provided for customer use. Wired to terminal block for easy access.		Two (one for each source) are provided for customer use. Wired to terminal block for easy access. Rated at 10 A continuous and 250 VAC maximum.											
Storage Temperature	-25°C (-13°F) to 55°C (131°F)		-40°C (-40°F) to 60°C (140°F)											
Humidity	Up to 90% @ 20°C		Up to 95% relative, non-condensing											
Altitude	Up to 2,000 m (6,561 ft) without derating		Up to 3,000 m (10,000 ft) without derating											
Total Transfer Time (source to source)	Will not exceed 100 msecs with nominal voltage applied to actuator		Will not exceed 6 cycles at 60 Hz with nominal voltage applied to the actuator and without delayed transition enabled											
Manual Operation Handles	Transfer switches are equipped with a removable operating handle, which allows operation during servicing in order to facilitate troubleshooting with sources of power disconnected.		Transfer switches are equipped with permanently attached operating handles and quick-break, quick-make contact mechanisms suitable for manual operation under de-energized conditions.											
Genset Starting Battery	N/A		12 VDC											
Certification	UL 1008 Listed		UL 1008 Listed, CSA Certified											
Battery Charger	2A, 12 / 24 V DC		2A, 12 / 24 V DC											
Service Entrance Model	N/A													
External Exerciser Clock														
Frequency	60Hz													
Warranty	1-Year Comprehensive													

*Also available as Nema Type 1

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